

## Special Issue

# MicroRNA Signaling in Human Diseases 2.0

### Message from the Guest Editor

An increasing interest in non-coding RNAs has developed in recent years. Originating from the transcription of independent genes (canonical pathway) or introns of genes encoding proteins (alternative pathway) throughout genomes, these miRNAs are involved in a huge variety of biological processes including development, differentiation, response to stress, homeostasis, cell death, inflammation, and the host immune response. Moreover, a strong implication of miRNAs in a variety of human pathologies has been widely described in the literature. However, faced with these major challenges, it is important to fully understand the complex mechanisms of inhibition through the partial complementarity of transcription of miRNAs as well as the specific cell signaling pathways specifically regulated by miRNAs in cells. This Special Issue will be dedicated to the role of miRNAs in cell physiology and human pathology. All studies which help to enrich knowledge on the intimate mechanisms of gene regulation exerted by miRNAs and signaling pathways involving miRNAs in different physiological and pathological situations will be welcome.

### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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